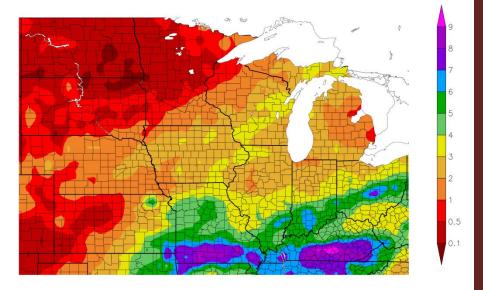
MAC-T Monthly Call

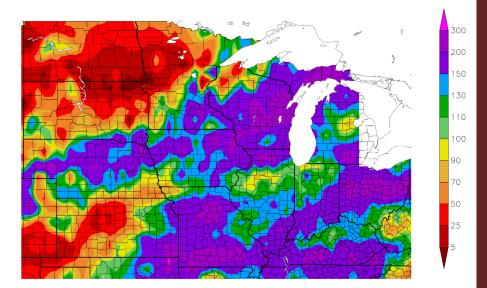
Midwest Agriculture and Climate Team



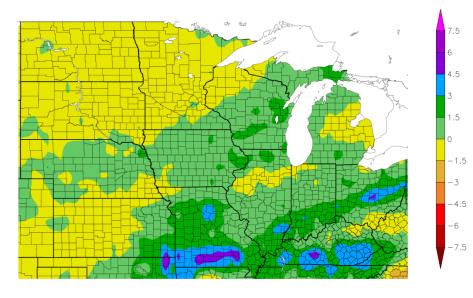
Precipitation (in) 2/28/2020 - 3/28/2020



Percent of Normal Precipitation (%) 2/29/2020 - 3/29/2020



Departure from Normal Precipitation (in) 2/28/2020 - 3/28/2020

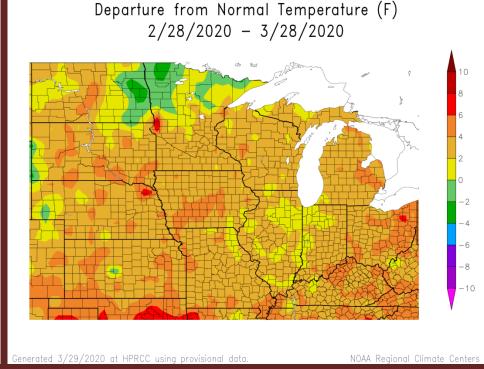


Generated 3/29/2020 at HPRCC using provisional data.

NOAA Regional Climate Centers

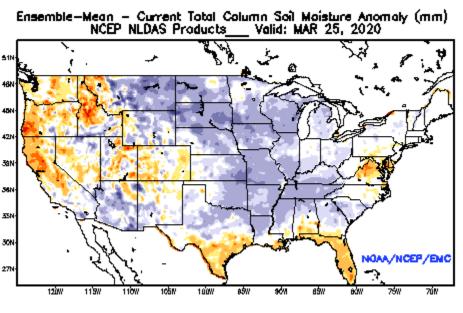
- Mostly wetter than avg. across the state last 30 days Iowa and southeast.
- Drier to the north and west
- Still small pocket drier than avg. SW.

Temperature (F) 2/28/2020 - 3/28/2020 40 35 30 25 20 NOAA Regional Climate Centers Generated 3/29/2020 at HPRCC using provisional data.



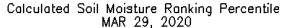
- Warmer than average (2-4 F) last 30 days.
- Still some days falling below freezing.
- Phenology ahead of average mostly everywhere.

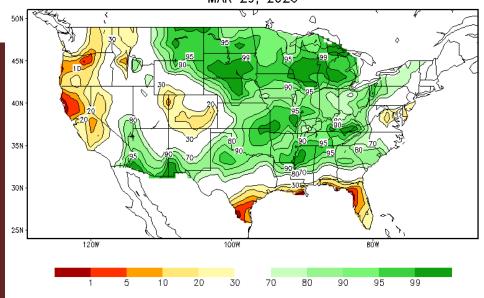
Soil Moisture



http://www.emc.ncep.noaa.gov/mmb/nldas/drought/

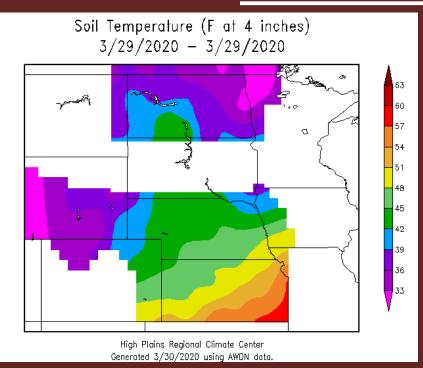
- Wetter than average everywhere (IA and Corn Belt).
- Varying levels of wetness.





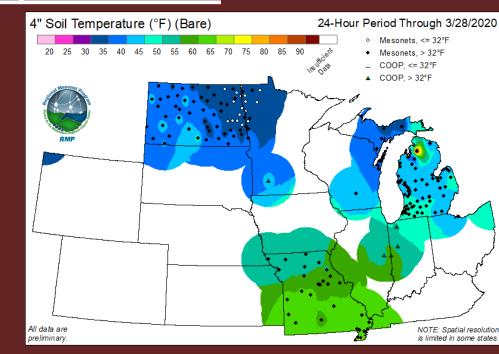
http://www.cpc.ncep.noaa.gov/products/Soilmst_Monitoring/US/Soilmst/Soilmst.shtml#

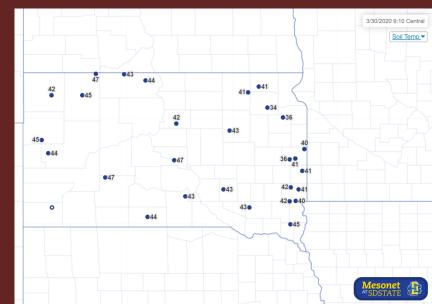
Soil Temperature





- Still frozen in part ND
- KS-MO-IL around 50 F level.



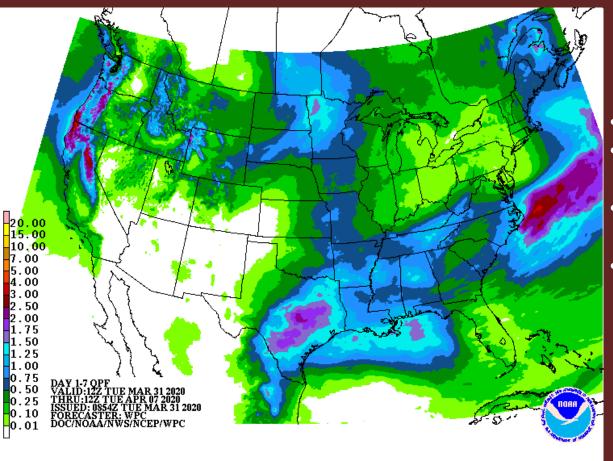


https://mrcc.illinois.edu/RMP/currentMaps.html
https://hprcc.unl.edu/maps.php?map=AWDNMaps
http://climate.sdstate.edu

Assorted AG Issues

- Wet soils everywhere (varying levels wetness)
- Some flooding occurring potential exists for more
- What else?

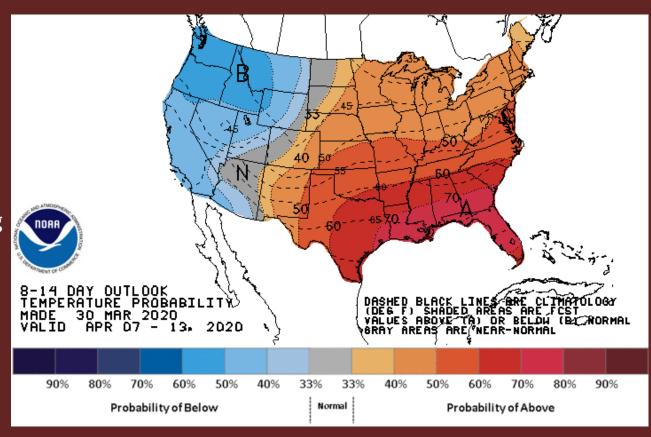
1-7 Day Precip



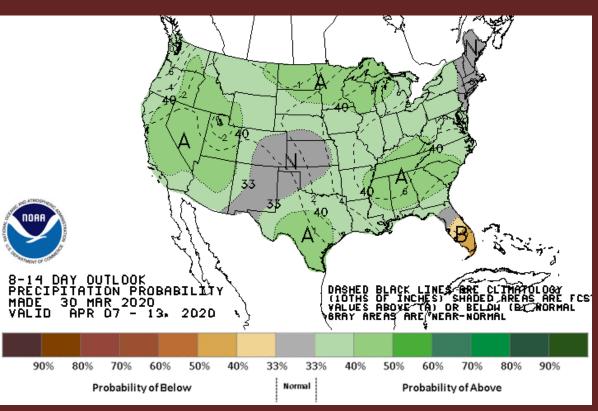
- Less precip eastern corn belt
- Heavier amounts MNeastern Dakotas and KS-MO
- Up to 1.5" amounts possible these areas.
- Still not good news for wet soils.

Temperature Outlook

- Better news warmer temps more likely whole area
- Big shift from weekend/latter week outlooks
- Would be beneficial to ag across region



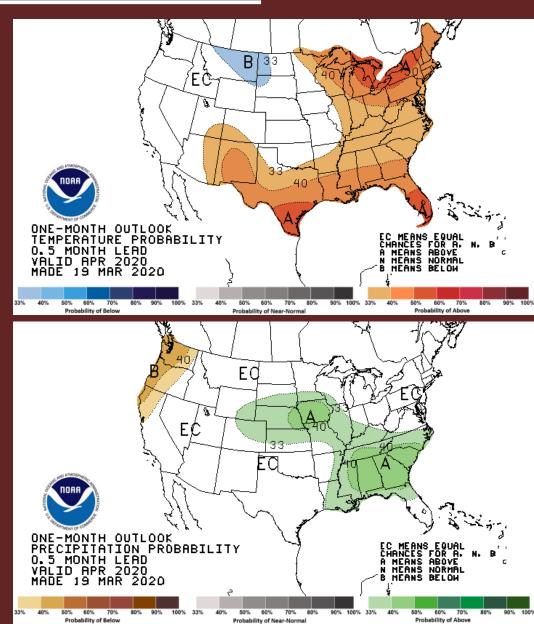
Precipitation Outlook



- Wetter conditions slightly more likely except for KS.
- Balance with warm conditions for impact on soils.
- Not as good news for ag

1-Month Outlook

- Mid-month outlooks (will be updated sometime Tuesday – before Wednesday call).
- Current version warmer slightly more likely eastern and Great Lakes.
- Small chance cooler nrn plains
- Wetter more likely central Plains to central Corn Belt.



Drought in the Midwest

U.S. Drought Monitor

USDA Midwest Climate Hub



March 24, 2020

(Released Thursday, Mar. 26, 2020) Valid 8 a.m. EDT

Drought Conditions (Percent Area)

		None	D0-D4	D1-D4	D2-D4	D3-D4	D4
	Current	100.00	0.00	0.00	0.00	0.00	0.00
	Last Week 03-17-2020	100.00	0.00	0.00	0.00	0.00	0.00
	3 Month's Ago 12-24-2019	99.31	0.69	0.00	0.00	0.00	0.00
I	Start of Calendar Year 12-31-2019	99.71	0.29	0.00	0.00	0.00	0.00
	Start of Water Year 10-01-2019	80.58	19.42	4.98	0.39	0.00	0.00
	One Year Ago 03-26-2019	100.00	0.00	0.00	0.00	0.00	0.00

D2 Severe Drought
D3 Extreme Drought
D4 Exceptional Drough

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to https://droughtmonitor.unl.edu/About.aspx

Brad Rippey

U.S. Department of Agriculture



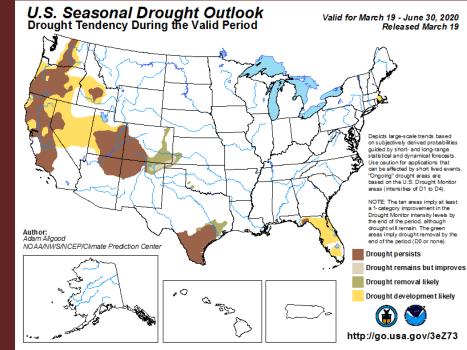






droughtmonitor.unl.edu

The Midwest has been completely free of drought early-November 2019 and has experienced no dryness (D0) since January 7, 2020. It was a wet week across the region, with rain changing to snow in Iowa and portions of neighboring states. In Sioux City, Iowa, March 19-20 featured precipitation totaling 1.60 inches and 3.8 inches of snow. Meanwhile, heavy rain fell from Missouri into the Ohio Valley.

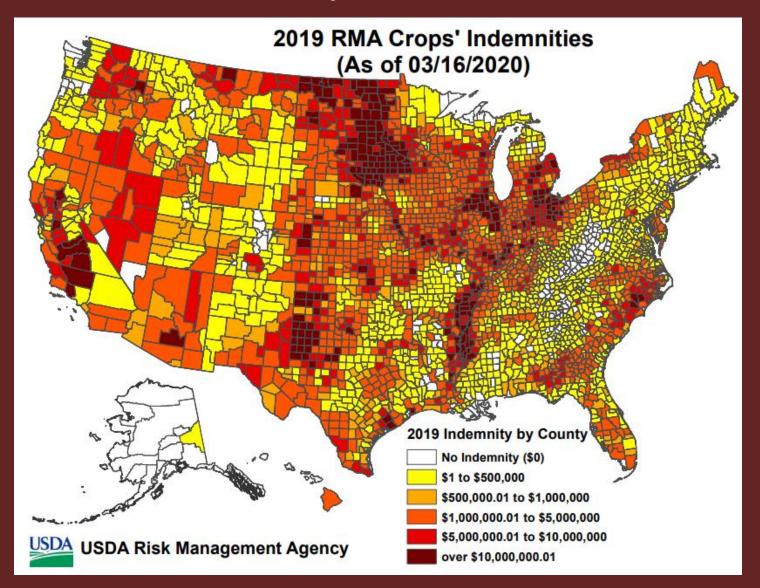


http://droughtmonitor.unl.edu/

Summary

- Limited late season snow welcomed lesser problem with livestock issues compared to last year.
- Still getting widespread rainfalls (definite problem).
- All Corn Belt soils wetter than avg.
- Planting going to be an issue. Delays likely. How much is the question.
- Flooding definitely possible but again variable by location.

2019 Crop Indemnities



Next MAC-T Monthly Call

Next Call
May 6th, 2020